## PART ELEVEN - FORMS

### WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

*Purpose of checklist:*

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

*Instructions for applicants:*

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

*Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: Virginia Falls Fish Habitat Improvement and stream channeling

2. Name of applicant: Department of Natural Resources
3. Address and phone number of applicant and contact person:
Brian Turner
State of Washington
Department of Natural Resources
Olympic Region
411 Tillicum Lane
Forks, Washington 98331 Phone (360)374-2811
4. Date checklist prepared: August 12, 2004
5. Agency requesting checklist: Washington Fish and Wildlife
6. Proposed timing or schedule (including phasing, if applicable):
After obtaining an approved HPA and before October 15, 2004 the project will begin. The project should be completed within 2 working days but may be delayed if heavy rains occur.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

None planned at this time.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
None known of.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.
Wa F&W (Theresa Powell) has seen the site and will write an Hydraulics Project Approval when this SEPA is approved

10. List any government approvals or permits that will be needed for your proposal, if known.
Hydraulics Project Approval

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

There was a landslide up stream from Virginia Falls approx. 10 years ago. A large log jam built up between the falls and the H-1000 road. It has taken periodic maintenance to keep the road from washing out.

As part of this proposal several loose logs near the inlet of the culvert will be removed. These logs will then be placed downstream in the fish bearing part of the stream to provide better fish habitat.

There are four channels in the non-fish bearing waters below Virginia Fall. They will be numbered from west to east for this document.

- Channel 1 hits the ditch line above the main culvert. The ditch line was armored with small riprap last fall. DNR feels that if it carries a large percentage of the water the armoring will fail washing out the road. The proposal will block this channel.
- Channel 2 is before the log jam which flows into the culvert. The proposal is that this channel will be improved with an excavator. Some of the gravels removed from this channel will be used to block channel 1.
- Channel 3 goes through the existing log jam flows then into the culvert. It was the main channel at one time and still carries a large amount of the stream flow. The proposal is for the beginning of this channel to be improved so water gets to this channel easier.
- Channel 4 is past the log jam then flows into the culvert. It was improved last fall however the entrance to it has filled in. This is an important safe guard channel since if the stream goes past it to the east it will bypass the Virginia Falls Culvert and go into a much smaller culvert that will not be able to handle the flow. The proposal has a small amount of material moved at the entrance of this channel to catch water before it leaves the stream.

Engineers estimate approx. 250 total yards of material will need to be moved by this project. No materials are planned to be removed from the site.

TO BE COMPLETED BY APPLICANT EVALUATION FOR AGENCY USE ONLY

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

SW1/4NW1/4, Section 33, T27N, R10W, W.M. Where Virginia Falls Creek meets the H-1000 road

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, ( rolling,) hilly, steep slopes, mountainous, other . . . . . .

b. What is the steepest slope on the site (approximate percent slope)?
10% where work will occur, some adjacent areas are near vertical.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

The area being worked in is river gravel

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

There have been slides up stream of this site however the site itself is stable.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Approx. 250 cubic yards of gravels will be moved around within the stream channels.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Some erosion may occur as the stream water reaches these freshly exposed gravel. If the project isn't done there is a greater chance that the road will washout creating a far greater amount of erosion.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

None

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

The project is planned for a time of the year when stream flows will not hit the exposed soils.

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AGENCY USE ONLY

a. **Air**

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

For approx. 2 days exhaust from a well maintained excavator at the site.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

None

3. **Water**

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

The project is proposed within Virginia Falls Creek. This is a non fish bearing stream where all the work except the logs placement will occur. The logs will be placed in the fish bearing portion of the stream. Virginia Falls Creek flows into the Hoh River.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

The work is planned within the stream channel. The channel is currently dry and no excavation work is planned in live water. The logs will be placed in live water for fish habitat improvement.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

Approx. 250 yards of material will be moved around within the stream channels.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

The excavation will be in an area that is generally dry when the work will occur.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Yes all of the proposed work is within stream channels which carries water most years.

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6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

All water is from the stream and will remain in the stream channel

2) Could waste materials enter ground or surface waters? If so, generally describe.

No

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Follow HPA

4. **Plants**

a. Check or circle types of vegetation found on the site:

X deciduous tree: alder

X evergreen tree: fir, cedar, hemlock

X shrubs

_____ grass

_____ pasture

———— crop or grain

———— wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

———— water plants: water lily, eelgrass, milfoil, other

———— other types of vegetation

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b. What kind and amount of vegetation will be removed or altered?

Some alder small (under 6 inches in diameter) will be dug up during excavation of within the channels

c. List threatened or endangered species known to be on or near the site.

None

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, songbirds,
mammals: deer, bear, elk:
fish: salmon, trout:

b. List any threatened or endangered species known to be on or near the site.

None

c. Is the site part of a migration route? If so, explain.

Not known to be

d. Proposed measures to preserve or enhance wildlife, if any:

Place logs within the fish bearing part of the stream to provide better fish habitat.

6. **Energy and natural resources**

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

No

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. **Environmental health**

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

There is a small chance that some oils could leak from the excavator.

1) Describe special emergency services that might be required.

None

2) Proposed measures to reduce or control environmental health hazards, if any:

Spill cleanup materials maintained near the site. (Olympic Correction Center)

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Construction equipment noise for approx. two days between 0700 hours and 1730 hours.

3) Proposed measures to reduce or control noise impacts, if any:

None

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties?

Jefferson County – Resource Production

b. Has the site been used for agriculture? If so, describe.

No

c. Describe any structures on the site.

None

d. Will any structures be demolished? If so, what?
No

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EVALUATION FOR AGENCY USE ONLY

e. What is the current zoning classification of the site?
Jefferson County – Resource Production

f. What is the current comprehensive plan designation of the site?
Jefferson County – Resource Production

g. If applicable, what is the current shoreline master program designation of the site?
N/A

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.
No

i. Approximately how many people would reside or work in the completed project?
none

j. Approximately how many people would the completed project displace?
none

k. Proposed measures to avoid or reduce displacement impacts, if any:
none

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
N/A

9. **Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
N/A

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
N/A

c. Proposed measures to reduce or control housing impacts, if any:

N/A

10. **Aesthetics**

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

N/A

b. What views in the immediate vicinity would be altered or obstructed?

N/A

c. Proposed measures to reduce or control aesthetic impacts, if any:

N/A

11. **Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

N/A

b. Could light or glare from the finished project be a safety hazard or interfere with views?

N/A

c. What existing off-site sources of light or glare may affect your proposal?

N/A

d. Proposed measures to reduce or control light and glare impacts, if any:

N/A

12. **Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?

Hunting, Fishing Camping

b. Would the proposed project displace any existing recreational uses? If so, describe.

No

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

N/A

13. **Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None

c. Proposed measures to reduce or control impacts, if any:

N/A

14. **Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The site is adjacent to the H-1000 logging road, you would head west from there to the DNR managed Hoh-Clearwater mainline, approx. seven miles from that road junction you would get to US 101 which is the first public road to help access the site.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No. Approx. 14 miles

c. How many parking spaces would the completed project have? How many would the project eliminate?

No

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

N/A

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

None

g. Proposed measures to reduce or control transportation impacts, if any:

none

15. **Public services**

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

None

16. **Utilities**

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

None

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No utilities available to the site

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: .....

Date Submitted: .....